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Some New Chucks.

Am. Machinist 6/28/88-3

The illustrations presented herewith show some new designs of chucks by the Westcott Chuck Co., Oneida, N. Y.

Figs. 1 and 2 show latest improvements in a scroll combination lathe chuck. The body of the chuck has been made considerably heavier to give increased rigidity, parts which were formerly cored out being now cast solid, and the smaller sizes being made of malleable iron. All the jaws and screws are now made of steel.

As is well known, there is difficulty in holding a pulley by the rim in a chuck, especially if the rim be quite light, because the pressure which can be put on it by the chuck jaws is limited by the strength of the rim. For this reason the circular slots are provided through the body of the chuck, so that bolts can be passed through, and pulleys or similar work secured without putting much strain upon the rim. Fig. 2 shows the arrangement of the parts, and it will be noticed that the jaws are reversible.

Figs. 3 and 4 show a new drill chuck, which is similar to the side screw chuck heretofore made by this company, but has diagonal tongued jaws, made of tool steel and hardened. By the diagonal arrangement of the tongue, increased gripping power is obtained and the grooving of the drill shank prevented if it should slip in the chuck.

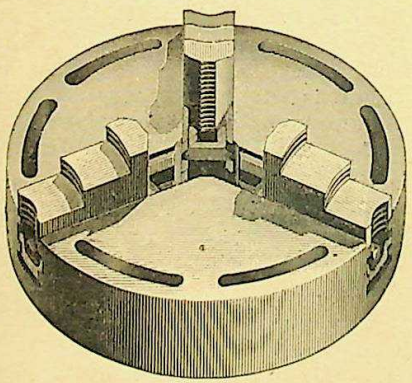

FIG. 1.

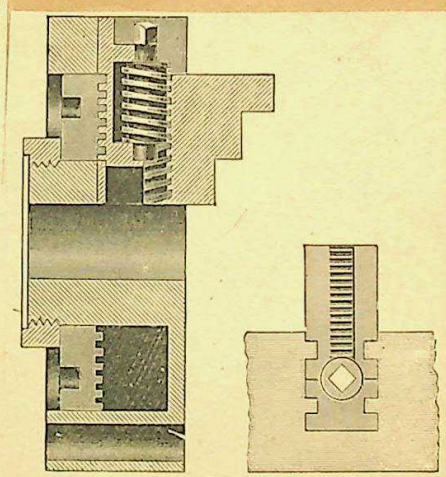

FIG. 2.

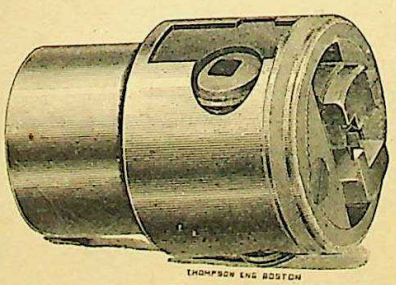

FIG. 3.

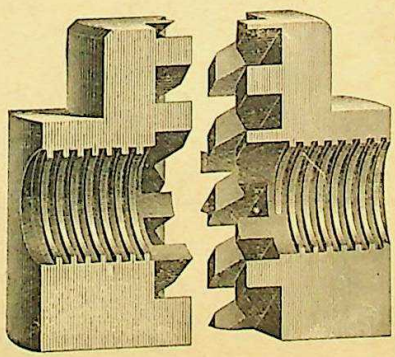

FIG. 4.